

WHAT IS CLAIMED IS

1. A network device managing apparatus for managing a network to which a device which broadcasts a network managing packet at least once after activation is

5 connected, characterized by comprising:

packet receiving means for receiving a packet;

packet determining means for determining whether the packet received by said packet receiving means is a network managing packet;

10 device address acquiring means for acquiring from the packet the address of a device which has transmitted the packet, if said packet determining means determines that the packet is a network managing packet; and

device address registering means for registering
15 the device address.

2. The apparatus according to claim 1, characterized in that the apparatus further comprises transmitting means for transmitting, to said device having the address acquired by said device address acquiring means,
20 a verify packet for verifying that said device is a predetermined type of device, and

if a response indicating that said device is a predetermined type of device is returned as a response to the verify packet, said device address registering
25 means registers the status of said device which has returned the response together with the address.

3. The apparatus according to claim 2, characterized in that the response to the verify packet contains information indicating the operating status of said device.

5 4. The apparatus according to claim 2, characterized in that said transmitting means transmits a verify packet for acquiring the status of a printer to said device having the acquired address, and, if a response indicating that said device is a printer is returned as
10 a response to the verify packet, said device address registering means registers the address of said device and information indicating that said device is a printer.

5. The apparatus according to claim 1, characterized by further comprising display control means for
15 controlling a display unit to display the address of said device registered by said device address registering means.

6. The apparatus according to claim 2, characterized by further comprising display control means for
20 controlling a display unit to display the address of said device registered by said device address registering means together with the status of said device.

7. A network system comprising:
25 a network device for broadcasting a network managing packet at least once after activation;

a device information server for storing
information concerning a device connected to a network;
and

5 a network device managing apparatus comprising
packet receiving means for receiving a packet, packet
determining means for determining whether the packet
received by said packet receiving means is a network
managing packet, device address acquiring means for
acquiring from the packet the address of a device which
10 has transmitted the packet, if said packet determining
means determines that the packet is a network managing
packet, and device address registering means for
registering the device address in said device
information server.

15 8. The system according to claim 7, characterized in
that said network device managing apparatus further
comprises transmitting means for transmitting, to said
device having the address acquired by said device
address acquiring means, a verify packet for verifying
20 that said device is an object of monitoring, and

if a response indicating that said device is an
object of monitoring is returned as a response to the
said verify packet, said device address registering
means registers the status of said device which has
25 returned the response together with the address.

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9. The system according to claim 8, characterized in that the response to the verify packet contains information indicating the operating status of said device.

5 10. The system according to claim 6, characterized in that said transmitting means transmits a verify packet for acquiring the status of a printer to said device having the acquired address, and, if a response indicating that said device is a printer is returned as
10 a response to the verify packet, said address registering means registers the address of said device as a source of response and information indicating that said device is a printer.

11. The system according to claim 7, characterized by
15 further comprising display means for displaying the address of said device registered by said address registering means.

12. The system according to claim 8, characterized by
20 further comprising display means for displaying the address of said device registered by said address registering means together with the status of said device.

13. A network device managing method of managing a
25 network to which a device which broadcasts a network managing packet at least once after activation is connected, characterized by comprising:

16. The method according to claim 14, characterized in that said transmitting step comprises transmitting a verify packet for acquiring the status of a printer to said device having the acquired address, and, if a response indicating that said device is a printer is returned as a response to the verify packet, said address registering step comprises registering the address of said device as a source of response and information indicating that said device is a printer.

10 17. The method according to claim 13, characterized by
further comprising the display step of displaying the
address of said device registered in said address
registering step.

18. The method according to claim 14, characterized by
15 further comprising the display step of displaying the
address of said device registered in said address
registering step together with the status of said device.

19. A computer-readable storage medium characterized
by storing a computer program for implementing the
20 network device managing method according to claim 13 by
a computer.

20. The apparatus according to claim 1, characterized
in that said device address registering means registers
the device address in an external managing apparatus
connected via the network.

21. The apparatus according to claim 1, characterized
by further comprising device address transmitting means
for transmitting the address of said device registered
by said device address registering means to an external
5 client apparatus connected via the network.

22. The apparatus according to claim 1, characterized
in that the network managing packet is an SNMP trap
packet.